

Orbit Determination of Low Earth Satellites at AIUB

Jäggi, A.; Bock, H.; Hugentobler, U.; Beutler, G.

University of Bern, SWITZERLAND

The poster presents activities at the Astronomical Institute of the University of Bern (AIUB) in the field of precise orbit determination (POD) for Low Earth Orbiters (LEOs) using the GPS. They are currently focused on the two GRACE satellites and range from general studies about reduced-dynamic and kinematic precise orbit determination based on zero- and double difference observations to the implementation and testing of the POD procedures in the framework of the High-Level Processing Facility for ESA's upcoming GOCE mission.